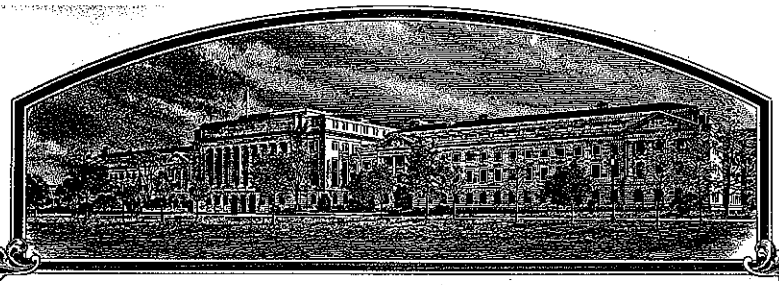

No. 200400123

THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Pure Seed Testing, Inc.

Whereas, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR MARKETING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE PURPOSES, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

FESCUE, RED

'Inverness'

In Testimony Whereof, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington, D.C. this thirtieth day of January, in the year two thousand and eight.

Attest:

Commissioner
Plant Variety Protection Office
Agricultural Marketing Service

Secretary of Agriculture

REPRODUCE LOCALLY. *Include form number and date on all reproductions*

Form Approved - OMB No. 0581-0055

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE AND TECHNOLOGY - PLANT VARIETY PROTECTION OFFICE

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE
(Instructions and information collection burden statement on reverse)

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

1. NAME OF OWNER	2. TEMPORARY DESIGNATION OR EXPERIMENTAL NAME	3. VARIETY NAME
Pure Seed Testing, Inc.	PST-47TCR, PST-47TCL	Inverness

4. ADDRESS *(Street and No., or R.F.D. No., City, State, and ZIP Code, and Country)*	5. TELEPHONE *(include area code)*	FOR OFFICIAL USE ONLY
P.O. Box 449 Hubbard, OR 97032	(503) 651-2130 6. FAX *(include area code)* (503) 263-0703	PVPO NUMBER: 200400123 FILING DATE: 2/23/2004

7. IF THE OWNER NAMED IS NOT A "PERSON", GIVE FORM OF ORGANIZATION *(corporation, partnership, association, etc.)*	8. IF INCORPORATED, GIVE STATE OF INCORPORATION	9. DATE OF INCORPORATION
Corporation	OR	January 1, 1975

10. NAME AND ADDRESS OF OWNER REPRESENTATIVE(S) TO SERVE IN THIS APPLICATION. *(First person listed will receive all papers)*

Crystal Rose-Fricker
Pure Seed Testing, Inc.
P.O. Box 449
Hubbard, OR 97032

FEES RECEIVED
FILING AND EXAMINATION FEES: $ 3650.00 DATE 2/23/2004
CERTIFICATION FEE: $ 768.00 DATE 10/22/2007

11. TELEPHONE *(Include area code)*	12. FAX *(Include area code)*	13. E-MAIL
(503) 651-2130	(503) 263-0703	~~crystal@turf-seed.com~~ Crystal@pureseedtesting.com (ltr: 6/27/2006)

14. CROP KIND *(Common Name)*	16. FAMILY NAME *(Botanical)*	18. DOES THE VARIETY CONTAIN ANY TRANSGENES? *(OPTIONAL)*
Strong creeping red fescue	Poaceae	☐ YES ☑ NO
15. GENUS AND SPECIES NAME OF CROP	17. IS THE VARIETY A FIRST GENERATION HYBRID?	IF SO, PLEASE GIVE THE ASSIGNED USDA-APHIS REFERENCE NUMBER FOR THE APPROVED PETITION TO DEREGULATE THE GENETICALLY MODIFIED PLANT FOR COMMERICALIZATION. _____
Festuca rubra L. susp. rubra	☐ YES ☑ NO	

19. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED (Follow Instructions on reverse)

- a. ☑ Exhibit A. Origin and Breeding History of the Variety
- b. ☑ Exhibit B. Statement of Distinctness
- c. ☑ Exhibit C. Objective Description of Variety
- d. ☑ Exhibit D. Additional Description of the Variety *(Optional)*
- e. ☑ Exhibit E. Statement of the Basis of the Owner's Ownership
- f. ☑ Voucher Sample *(2,500 viable untreated seeds or, for tuber propagated varieties, verification that tissue culture will be deposited and maintained in an approved public repository)*
- g. ☑ Filing and Examination Fee ($3,652), made payable to "Treasurer of the United States" *(Mail to the Plant Variety Protection Office)*

20. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE SOLD AS A CLASS OF CERTIFIED SEED? *(See Section 83(a) of the Plant Variety Protection Act)*
☐ YES *(If "yes", answer items 21 and 22 below)* ☑ NO *(If "no", go to item 23)*

21. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF CLASSES?
☑ YES ☐ NO
IF YES, WHICH CLASSES? ☒ FOUNDATION ☒ REGISTERED ☒ CERTIFIED

22. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS?
☑ YES ☐ NO
IF YES, SPECIFY THE NUMBER 1,2,3, etc. FOR EACH CLASS.
☒ FOUNDATION ☒ REGISTERED ☒ CERTIFIED
(If additional explanation is necessary, please use the space indicated on the reverse.)

23. HAS THE VARIETY (INCLUDING ANY HARVESTED MATERIAL) OR A HYBRID PRODUCED FROM THIS VARIETY BEEN SOLD, DISPOSED OF, TRANSFERRED, OR USED IN THE U. S. OR OTHER COUNTRIES?
☑ YES ☐ NO
IF YES, YOU MUST PROVIDE THE DATE OF FIRST SALE, DISPOSITION, TRANSFER, OR USE FOR EACH COUNTRY AND THE CIRCUMSTANCES. *(Please use space indicated on reverse.)*

24. IS THE VARIETY OR ANY COMPONENT OF THE VARIETY PROTECTED BY INTELLECTUAL PROPERTY RIGHT *(PLANT BREEDER'S RIGHT OR PATENT)*?
☐ YES ☑ NO
IF YES, PLEASE GIVE COUNTRY, DATE OF FILING OR ISSUANCE AND ASSIGNED REFERENCE NUMBER. *(Please use space indicated on reverse.)*

25. The owners declare that a viable sample of basic seed of the variety has been furnished with application and will be replenished upon request in accordance with such regulations as may be applicable, or for a tuber propagated variety a tissue culture will be deposited in a public repository and maintained for the duration of the certificate.

The undersigned owner(s) is(are) the owner of this sexually reproduced or tuber propagated plant variety, and believe(s) that the variety is new, distinct, uniform, and stable as required in Section 42, and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act.

Owner(s) is (are) informed that false representation herein can jeopardize protection and result in penalties.

SIGNATURE OF OWNER	SIGNATURE OF OWNER
Crystal Rose-Fricker	Joseph K. Wipff
NAME *(Please print or type)*	NAME *(Please print or type)*
Crystal Rose-Fricker	Joseph K. Wipff, Ph.D.
CAPACITY OR TITLE: President	CAPACITY OR TITLE: Taxonomist/Plant Breeder
DATE: 2/20/04	DATE: 2/20/04

(See reverse for instructions and information collection burden statement)

ST-470 (04-03) designed by the Plant Variety Protection Office using Word 2002.

INSTRUCTIONS

2004 00 123

GENERAL: To be effectively filed with the Plant Variety Protection Office (PVPO), **ALL** of the following items must be **received** in the PVPO: (1) Completed application form signed by the owner; (2) completed exhibits A, B, C, E; (3) for a seed reproduced variety at least 2,500 viable untreated seeds, for a hybrid variety at least 2,500 untreated seeds of each line necessary to **reproduce** the variety, or for tuber reproduced varieties verification that a viable *(in the sense that it will reproduce an entire plant)* tissue culture will be deposited and maintained in an approved public repository; (4) check drawn on a U.S. bank for $3,652 ($432 filing fee and $3,220 examination fee), payable to "Treasurer of the United States" *(See Section 97.6 of the Regulations and Rules of Practice.)* Partial applications will be held in the PVPO for not more than 90 days, then returned to the applicant as unfiled. Mail application and other requirements to Plant Variety Protection Office, AMS, USDA, Room 401, NAL Building, 10301 Baltimore Avenue, Beltsville, MD 20705-2351. Retain one copy for your files. All items on the face of the application are self explanatory unless noted below. Corrections on the application form and exhibits must be initialed and dated. **DO NOT** use masking materials to make corrections. If a certificate is allowed, you will be requested to send a check payable to "Treasurer of the United States" in the amount of $432 for issuance of the certificate. Certificates will be issued to owner, not licensee or agent.

Plant Variety Protection Office
Telephone: (301) 504-5518
FAX: (301) 504-5291
Homepage: http://www.ams.usda.gov/science/pvpo/pvp.htm

To avoid conflict with other variety names in use, the applicant must check the appropriate recognized authority and provide evidence that name has been cleared by the appropriate recognized authority before the Certificate of Protection is issued. For example, for agricultural and vegetable crops, contact: Seed Branch, AMS, USDA, 10301 Baltimore Avenue, Suite 401 NAL Building, Beltsville, MD 20705. Telephone: (301) 504-5682 http://www.ams.usda.gov/lsg/seed.htm.

ITEM

19a. Give: (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method;
(2) the details of subsequent stages of selection and multiplication;
(3) evidence of uniformity and stability; and
(4) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified

19b. Give a summary of the variety's distinctness. Clearly state how this application variety may be distinguished from all other varieties in the same crop. If the new variety is most similar to one variety or a group of related varieties:

(1) identify these varieties and state all differences objectively;
(2) attach statistical data for characters expressed numerically and demonstrate that these are clear differences; and
(3) submit, if helpful, seed and plant specimens or photographs (prints) of seed and plant comparisons which clearly indicate distinctness.

19c. Exhibit C forms are available from the PVPO Office for most crops; specify crop kind. Fill in Exhibit C (Objective Description of Variety) form as completely as possible to describe your variety.

19d. Optional additional characteristics and/or photographs. Describe any additional characteristics that cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the characteristics that are difficult to describe, such as plant habit, plant color, disease resistance, *etc.*

19e. Section 52(5) of the Act requires applicants to furnish a statement of the basis of the applicant's ownership. An Exhibit E form is available from the PVPO.

20. If "Yes" is specified *(seed of this variety be sold by variety name only, as a class of certified seed)*, the applicant **MAY NOT** reverse this affirmative decision after the variety has been sold and so labeled, the decision published, or the certificate issued. However, if "No" has been specified, the applicant may change the choice. *(See Regulations and Rules of Practice, Section 97.103).*

23. *See Sections 41, 42, and 43 of the Act and Section 97.5 of the regulations for eligibility requirements.*

24. *See Section 55 of the Act for instructions on claiming the benefit of an earlier filing date.*

22. CONTINUED FROM FRONT *(Please provide a statement as to the limitation and sequence of generations that may be certified.)*

23. CONTINUED FROM FRONT *(Please provide the date of first sale, disposition, transfer, or use for each country and the circumstances, if the variety (including any harvested material) or a hybrid produced from this variety has been sold, disposed of, transferred, or used in the U.S. or other countries.)*

The first commercial seed of this variety was sold 24 February 2003.

24. CONTINUED FROM FRONT *(Please give the country, date of filing or issuance, and assigned reference number, if the variety or any component of the variety is protected by intellectual property right (Plant Breeder's Right or Patent).)*

NOTES: It is the responsibility of the applicant/owner to keep the PVPO informed of any changes of address or change of ownership or assignment or owner's representative during the life of the application/certificate. The fees for filing a change of address; owner's representative; ownership or assignment; or any modification of owner's name is specified in Section 97.175 of the regulations. *(See Section 101 of the Act, and Sections 97.130, 97.131, 97.175(h) of the Regulations and Rules of Practice.)*

Amended Exhibit A.

Origin and Breeding History of
Inverness (PST-47TCR) Spreading Red Fescue

Inverness (PST-47TCR) strong creeping red fescue (*Festuca rubra* L. ssp. rubra) is an advanced generation synthetic resulting from a salt screening of the progeny of PST-4VB, which traces back maternally to the cultivar Florentine, and and then top crossed with plants that trace to 'Shademaster II', 'Shademaster', 'Badger', 'Flyer II' and collections from Rose City Cemetery, Portland, OR.

Summer of 1993. Fifty plants of PST-4VB (along with plants that trace to 'Shademaster II', 'Shademaster', 'Badger', 'Flyer II' and collections from Rose City Cemetery, Portland, OR) were screened in a salt bath at 6,000 mg L^{-1}. Thirteen plants of PST-4VB survived and were planted into a nursery in the fall of 1993. Other spreading red fescue salt survivors from this screening were also planted in this nursery: 'Shademaster II' (9 plants), 'Shademaster' (6 plants), 'Badger' (8 plants), 'Flyer II' (7 plants) and collections from Rose City Cemetery, Portland, OR (20 plants).

Summer 1995. All the plants were allowed to interpollinate and the following plants were harvested and designated as PST-46T:

PST-4VB (3 plants)
'Badger' (3 plants)
'Shademaster' (2 plants)
Rose City Collection (3 plants)
'Shadow' (1 plant)
'Shademaster II' (3 plants)
'Camilla' (1 plants)

Each plant was harvested separately.

Fall 1995. Seed was started from each plant and used to establish a progeny nursery of 61 plants per maternal parent. Seed was also used to establish a turf trial.

Summer 1996. The nursery was rogued for maturity, freedom of disease and color. Nine plants were harvested from the PST-4VB source and designated PST-46TCR.

Fall 1996. A 2,050-plant nursery planted by maternal lines of PST-46TCR, was established. The nursery was rogued for maturity, freedom of disease and uniformity. A total of 188 plants were harvested as breeder seed and designated as PST-47TCR the summer of 1997.

Breeder seed was also harvested from the same plants in 1998 and 1999.

Seed propagation of Inverness is limited to three generations of increase from Breeder seed: one each of Foundation, Registered and Certified. Pure Seed Testing, Inc. maintains Breeder seed in Oregon.

Inverness is a stable and uniform variety. No off-type or variants have been observed in the production or multiplication of this variety. **This has been true for three years of production; breeder seed, foundation and certified.**

Breeder, foundation, registered and certified seed of Inverness will produce turf and seed fields of equal quality, acceptable uniformity and good stability.

Amended Exhibit B.

Novelty Statement for

Inverness (PST-47TCR, PST-47TCL) Strong Creeping Red Fescue

Inverness is most similar to Florentine, but close examination shows the following differences.

1. Inverness has a heading date 4 days earlier than Florentine (Tables 1 and 1A).

2. Inverness has a plant height at least 4 cm taller than Florentine (Tables 2 and 2A).

   The differences in plant height for Florentine could be that Table 2 data is taken on two year old plants and Table 2A is on baby or first year measurements which are usually smaller with a fall planting date. When we looked at the raw data, reps 2 and 3 were consistently shorter than rep 1 as well so there may have been some environmental differences between reps. At this time we don't have any additional plant height data to show a significant difference between these varieties.

3. The anther color of Inverness is yellow green where Florentine is purplish.

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE AND TECHNOLOGY PROGRAM
PLANT VARIETY PROTECTION OFFICE
BELTSVILLE, MD 20705

EXHIBIT C
(FINE LEAVED FESCUES)

200400123

OBJECTIVE DESCRIPTION OF VARIETY
FINE LEAVED FESCUES
(*Festuca* spp.)

NAME OF APPLICANT(S)	TEMPORARY DESIGNATION	VARIETY NAME
Pure Seed Testing, Inc.	**PST-47TCR, PST-47TCL**	**Inverness**

ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code)

P.O. Box 449, Hubbard, OR 97032

FOR OFFICIAL USE ONLY
PVPO NUMBER
200400123

Place the appropriate number that describes the varietal characteristics of this variety in the boxes below. Use leading zeroes when necessary. Characteristics described, including numerical measurements, should represent those that are typical for the variety. Measured data should be for SPACED PLANTS. Royal Horticultural Society or any recognized color fan may be used to determine plant colors; designate system used: _____. Describe location of the test area, conditions and number of plants used: _____
_____.

1. SPECIES: (With companion varieties for use below – use varieties within species of application variety)

[3]	1 = *F. rubra* ssp. *commutata* (Chewings)	11 = Cascade 14 = Banner	12 = Highlight 15 = Barfalla	13 = Jamestown
	2 = *F. rubra* ssp. *litoralis* (Creeping Red)	21 = Dawson 24 = Pennlawn	22 = Starlight	23 = Merlin
	3 = *F. rubra* ssp. *rubra* (Spreading Red)	31 = Boreal 34 = Ensylva	32 = Ruby	33 = Fortress
	4 = *F. ovina* (Sheep)	41 = Covar		
	5 = *F. longifolia* (Hard)	51 = Durar	52 = Biljart (C-26)	53 = Scaldis
	6 = *F. tenuifolia* (Fine-Leaved Sheep)	61 = Panda	62 = Barok	

7 = Other (*Specify*) F. _____

2. CYTOLOGY:

[5] [6] Chromosome Number [4] Ploidy 1 = diploid 2 = tetraploid 3 = hexaploid 4 = octoploid

3. ADAPTATION: (0 = Not Tested; 1 = Not Adapted; 2 = Adapted)

[2] Northeast [2] Southeast [2] North Central [2] Pacific N.W.

[ ] Other (Specify) : _____

4. MATURITY: Date First Headed (panicle emergence) Location(s) of Trail(s) **22 April 2001, Hubbard, OR**

[3] Maturity Class:

1 = Very Early (Covar) 2 = Early (Highlight) 3 = Medium Early (Boreal, Dawson)

4 = Medium Late (Cascade, Ruby) 5 = Late (Jamestown, Agram) 6 = Very Late

Date Headed _____

200400123

[ ] Days earlier than ..... [ ]

Maturity same as ..... [ ] } Comparison Variety

[0 2] Days later than ..... [3 4]

---

5. PLANT HEIGHT: (At maturity; to top of panicle; average of 10 tallest culms)

[7 6 2] mm Height

[0 9 5] mm shorter than ..... [3 4]

Height same as ..... [ ] } Comparison Variety

[ ] mm Taller than ..... [ ]

---

6. GROWTH HABIT:

[2] 1 = Erect (Ruby) 2 = Semi-erect (Highlight) 3 = Prostrate (Silvana)

---

7. RHIZOMES:

[ ] mm Length [ ] mm Width [ ] mm Internode length

[3] 1 = Absent 2 = Weakly Creeping (Dawson)

3 = Strongly Creeping (Boreal) 4 = Very Strongly Creeping (Boreal)

---

8. LEAF BLADE:

[4] Color:

1 = Light Green (Starlight) 2 = Medium Light Green (Highlight) 3 = Medium Dark Green (Ruby, Agram)

4 = Dark Green (Jamestown, Manoir) 5 = Bluegreen (Saphir) 6 = Graygreen (Scaldis)

7 = Other (Specify): _____

[1] Glaucosity (Sowing Year): 1 = Absent 2 = Present (Vendome)

[1] Anthocycnin; 1 = Absent 2 = Present [1] Hairs (Basal): 1 = Absent 2 = Present

[1] Margins: 1 = Smooth 2 = Semi-rough 3 = Rough

[2] Margin folding (closure): 1 = Rolled inward (closed-Highlight) 2 = Flat

[3] Width class: 1 = Very fine (Agram, Frida) 2 = Fine (Jamestown, Highlight, Banner, Dawson)

3 = Medium Fine (Fortress, Ruby, Scaldis) 4 = Medium Coarse (Engina)

8. LEAF BLADE (*Continued*):

[0][9][4] mm Length (flag leaf)

[1][3] mm Shorter than ..... [3][4]
Blade length same as ..... [ ][ ] } Comparison Variety 2004 00 123
[ ][ ] mm Longer than ..... [ ][ ]

[2][4][0] mm Width (flag leaf)

[ ][ ][ ] mm Narrower than ..... [ ][ ]
Blade width same as ..... [ ][ ] } Comparison Variety
[0][2][0] mm Wider than ..... [3][4]

9. LEAF SHEATH:

[ ] Anthocyanin (seedling): 1 = Absent (Highlight) 2 = Present (Jamestown, Fortress, Marga)

[1] Auricle Hairiness: 1 = Absent 2 = Present

[2] Margins: 1 = Open (Highlight) 2 = Closed (Jamestown)

10. PANICLE:

[1] Shape: 1 = Narrow-tapering 2 = Ovate
3 = Oblong 4 = Other (Specify): _____

[2] Type: 1 = Open 2 = Intermediate 3 = Compact

[1] Orientation: 1 = Erect 2 = Nodding

[2] Branch Pubescence: 1 = Glabrous 2 = Pubescent

[1] Anther Color: } 1 = Yellowish Green 2 = Green 3 = Bluish Green 4 = Purplish
5 = Reddish 6 = Other (Specify): _____

[4] Glume Color at 50% flowering): }

[1][1][2] mm Length

[1][7] mm Shorter than ..... [3][4]
Panicle length same as ..... [ ][ ] } Comparison Variety
[ ][ ] mm longer than ..... [ ][ ]

11. PALEA:

[2] Hairs (On keels or margins): 1 = Absent (Banner) 2 = Short (Agram, Scaldis, Olds)
3 = Long (Rainier, Fortress, Jamestown)

12. LEMMA:

[2] Hairs: 1 = Absent (Jamestown) 2 = Several 3 = Many (Highlight)

[6][.5] mm Lemma Length

[0][.6] mm Shorter than ..... [3][4]

Lemma length same as ..... [ ][ ] } Comparison Variety

[ ][ ] mm Longer than ..... [ ][ ]

[1][.1][0] mm Lemma Width

[ ][ ][ ] mm Narrower than ..... [ ][ ]

Lemma width same as ..... [ ][ ] } Comparison Variety

[0][.1][0] mm Wider than ..... [3][4]

(ST:8/2/06) [2] Awns: 1 = Absent 2 = Present

[1][.6] mm Awn Length

[ ][ ] mm Shorter than ..... [ ][ ]

Awn length same as ..... [ ][ ] } Comparison Variety

[0][.3] mm Longer than ..... [3][4]

13. SEED (With lemma and palea):

[3] Size Class (g/1000 seed):

1 = [< 0-.9g] (Biljart, Dawson) 2 = [0.9-<1.1g] (Jamestown, Highlight)

3 = [1.1 -- 1.3g] (Fortress, Novorubra) 4 = [>1.3g] (Boreal, Golfrood)

[1][1][6][7] mg per 1000 seed

[ ][2][1][0] mg per 1000 seed less than ..... [3][4]

Seed Weight same as ..... [ ][ ] } Comparison Variety

[ ][ ][ ][ ] mg per 1000 seed more than ..... [ ][ ]

14. DISEASE, INSECT, AND NEMATODE REACTION

[0] Melting-out *Drechslera poae* (*Helminthosporium vagans*)

[0] Leaf Spot *D. siccans*

[6] Net Blotch *D. dictyoides*

[7] Leaf Spot *Bipolaris sorokiniana*

[5] Brown Patch *Rhizoctonia solani*

[0] Powdery Mildew *Erysiphe graminis*

[5] Stripe Smut *Ustilago striiformis*

[0] Stripe Rust *P. striiformis*

[6] Leaf Rust *P. poae-nemoralis*

[6] *P. crandallii*

[0] Pythium Blight *Pythum ultimum*

[7] Red Thread *Corticium fusciforme*

[6] Dollar Spot *Sclerotinia homoeocarpa*

[ ] Insect _____

200400123

14. DISEASE, INSECT, AND NEMATODE REACTION (*Continued*):

[7]	F. Patch, Pink snow-mold *Fusarium nivale*	[0]	Nematode 200400123
[6]	Fusarium Blight *F. trincinctum, F. roseum*	[ ]	Other _____
[0]	Gray Snow Mold *Typhula iotana*	[ ]	Other _____
[7]	Stem Rrust *Puccinia graminis*	[ ]	Other _____

15. GIVE THE VARIETY OR VARIETIES THAT MOST CLOSELY RESEMBLE THE APPLICATION VARIETY. For the following characteristics indicate Degree of Resemblence by placing in the column marked D.R., one of the following numbers.

1 = Application variety is less than the comparison variety. 2 = Application variety is the same as the comparison variety.

3 = More than, better, greater, darker, more disease resistant, etc.

CHARACTER	VARIETY	D.R.	CHARACTER	VARIETY	D.R.
Rhizome Length	**Florentine**	2	Growth Habit	**Florentine**	2
Leaf Width	**Florentine**	2	Leaf Color	**Florentine**	3
Panicle Color	**Florentine**	2	Panicle Shape	**Florentine**	2
Winter Color	**Florentine**	2	Cold Injury	**Florentine**	2
Shade Tolerance	**Florentine**	2	Heat	**Florentine**	2
Drought	**Florentine**	2	Disease*	**Florentine**	3

* Specify each disease evaluated.

Michrodium patch, Leaf spot, Dollar spot, Brown patch, Pink snow mold and Summer patch.

16. ADDITIONAL DESCRIPTION:

Exhibit D.

Additional Description of

Inverness (PST-47TCR, PST-47TCL) Strong Creeping Red Fescue

Inverness has good turf quality, a dark green color, good winter color, good resistance to *Michrodochium* patch, good leaf spot resistance, good dollar spot resistance, good brown patch resistance, good summer patch ratings, good red thread resistance, good pink snow mold resistance, good pink patch resistance and an improved seed yield potential (see Tables 4-22).

Table 1. 2001 mean initial heading dates for entries in a fine fescue seed yield trial seeded fall of 2000 near Hubbard, OR.

Entry	Heading Date
Bighorn	12 April
Little Bighorn	14 April
PST-4MB-98	17 April
4S3E Bulk	17 April
Seabreeze	17 April
Flyer	20 April
PST-4R3	20 April
Ensylva	20 April
Quatro	20 April
Flyer II	20 April
Shademaster	21 April
Shademaster II	21 April
Boreal	21 April
Reliant II	21 April
Inverness	**22 April**
Defiant	22 April
LTP-3851	22 April
Polaris	22 April
Discovery	22 April
4VB3 Bulk	23 April
LTP-HF-95-1	23 April
Aurora	23 April
PST-4BBL	23 April
PST-47TH	23 April
LA20-0-19032	24 April
PST-4CRE-98	24 April
PST-4FRR	25 April
Aurora Gold	25 April
Shadow	25 April
Aurora II	25 April
Scaldis	25 April
Florentine	**26 April**
Tiffany	27 April
Shadow II	27 April
PST-4FR	28 April
PST-4EC	29 April
LTP-5001	29 April
Jamestown II	29 April
Barcrown	30 April
Jamestown	03 May
LSD (0.05)	**4 days**

Table 1A. Mean initial heading dates for entries in a fine fescue seed yield trial seeded fall of 1998 near Hubbard, OR.

Entry	1999
4FRR	20 April
4CRE	19 April
4BP Bulk	05 May
4R3	19 April
Laxton	17 April
PST-4FR	19 April
Bighorn	12 April
Flyer II	21 April
Camilla	20 April
Inverness	**21 April**
ZFRR-93-112X	23 April
Florentine	**25 April**
Syn 4V3B	22 April
Shademaster II	20 April
4UB	12 April
Syn 4S3E	16 April
Ensylva	19 April
4BBL	20 April
PST-4MB	16 April
Barnica	21 April
Syn 4UG	15 April
4BLUE	21 April
4HI	15 April
4TDD	24 April
Seabreeze	16 April
Dawson	22 April
Shadow	26 April
Tiffany	28 April
4CU	23 April
Jamestown II	03 May
Shadow II	02 May
Baroxi	02 May
Syn 4RS	23 April
Discovery	22 April
Sandpiper	29 April
Aurora E	21 April
47TH	21 April
4AU	22 April
PST-4HM	22 April
Aurora Gold	22 April
Bargreen	01 May
Clio	28 April
Barcrown	28 April
PST-EFL	17 April
Shademark	20 April
4PH	20 April
LSD (0.05)	**3 days**

Table 2. 2000 mean morphological measurements for entries in a fine fescue seed yield trial seeded fall of 1998 near Hubbard, OR.

Entry	Plant Height (cm)
Dawson	90.0
Shadow	89.8
Ensylva	89.1
Seabreeze	88.4
Laxton	87.4
Shadow II	87.2
Camilla	86.0
Tiffany	86.0
47FRR	85.4
Shademaster II	84.8
Inverness	**79.7**
PST-EFL	79.5
PST-4S3E	78.5
4FR	76.2
Florentine	**75.7**
4BBL	75.6
Aurora E	73.4
Aurora Gold	70.3
Bighorn	69.6
4UB	69.1
Discovery	67.8
4BLUE	67.2
4MB	65.9
4AU	65.1
4HM	64.5
47TH	63.3
Barcrown	57.1
LSD (0.05)	**2.6**

Table 2A. 2001 mean morphological measurements for entries in a fine fescue seed yield trial seeded fall of 2000 near Hubbard, OR.

Entry	Plant Height (cm)
Inverness	**70.1**
Shademaster II	68.2
4FRR	66.6
LA20-0-19032	65.8
Flyer II	61.7
LTP-3851	60.2
LTP-5001	58.9
4CRE-98	58.1
4FR	57.4
Florentine	**55.7**
LTP-HF-95-1	41.8
LSD (0.05)	**3.1**

Table 3. 2002 mean morphological measurements for entries in a fine fescue seed yield trial seeded fall of 2000 near Hubbard, OR.

Entry	Plant Height (cm)	Panicle Length (cm)	Flag Leaf Height (cm)	Flag Leaf Length (cm)	Flag Leaf Width (mm)	Tiller Leaf Length (cm)	Tiller Leaf Width (mm)	Tiller Count (#/12.7 cm Row)
Ensylva	85.7	12.9	36.7	10.7	2.2	10.5	1.8	63.6
Inverness	76.2	11.2	25.4	9.4	2.4	8.5	1.6	96.1
LSD (0.05)	**2.8**	**0.7**	**2.1**	**1.3**	**0.2**	**0.8**	**0.2**	**23.5**

Tables 4-22 contain selected data including top and bottom commercially available entries and selected standards.

Table 4. 2000 mean turfgrass quality ratings of strong creeping red fescue cultivars grown at twenty-nine locations in the US and Canada (9 = ideal)

Entry	AR	CA	IA	IL	IN	KS	KY	MA	MD	ME1	ME2	MI	MO	MT	NC	NJ1	NJ2	NS	NY	OK	PA	QE	RI	SD	UT	VA	WA1	WA3	WI	Mean
Cindy Lou	4.7	6.3	5.1	5.0	6.6	7.1	7.4	5.9	6.4	7.2	7.1	6.6	4.4	5.6	5.9	6.4	6.1	6.8	3.6	3.8	5.8	5.3	6.8	5.3	5.4	6.3	5.0	4.3	5.8	5.8
Jasper II	6.3	6.2	5.1	5.5	6.6	7.0	7.8	5.9	6.3	7.2	6.3	6.5	5.0	5.6	6.0	6.5	5.9	6.9	3.1	3.1	5.6	5.1	5.8	5.3	5.2	6.1	4.9	4.4	6.4	5.8
SRX 52961	5.7	5.6	5.4	5.5	7.0	6.4	7.5	5.5	6.3	6.9	7.4	6.5	4.3	5.7	5.2	6.2	6.0	6.8	2.9	3.9	5.3	5.5	6.4	5.8	5.1	5.6	5.1	4.8	5.7	5.7
Navigator	5.7	6.0	5.4	5.0	6.6	7.6	7.3	5.5	6.1	7.0	6.7	6.4	5.0	5.4	6.1	5.8	5.5	6.3	2.7	4.0	5.8	5.4	6.1	5.7	4.4	5.8	4.6	4.5	6.1	5.7
ABT-CR-3	5.6	5.8	5.1	4.5	6.3	6.0	7.6	5.5	6.6	7.5	6.8	6.3	4.4	5.6	6.0	5.9	5.5	6.8	3.7	2.9	5.5	5.3	6.7	5.6	4.4	6.1	4.8	4.8	5.9	5.6
PST-EFL	5.3	6.1	5.0	5.0	5.9	6.9	7.4	5.0	6.4	6.7	6.3	6.4	4.3	5.9	4.8	5.9	5.7	6.4	2.9	3.3	5.3	5.2	5.9	5.3	5.0	5.8	4.7	4.4	5.5	5.5
Inverness	3.6	5.7	4.9	5.0	5.9	6.0	6.6	5.0	5.7	6.8	6.8	6.4	4.3	5.8	4.5	4.9	4.3	4.8	3.8	3.3	4.4	5.3	6.4	5.4	4.4	4.7	4.7	4.4	5.0	5.1
PST-4FR	4.4	6.4	5.9	5.0	5.0	6.0	6.5	5.7	5.8	6.4	7.4	6.1	4.8	5.8	4.8	4.6	3.3	5.1	3.4	2.4	3.9	5.1	4.1	5.3	5.0	4.4	5.0	4.7	5.0	5.1
Pathfinder	4.6	6.0	4.8	4.9	4.9	6.6	6.9	5.3	5.4	6.2	6.9	6.3	5.0	5.7	5.3	4.6	4.1	6.0	3.5	3.0	2.9	5.1	3.6	5.4	4.9	5.1	5.0	4.5	4.9	5.1
Florentine	2.4	5.5	4.7	4.8	4.8	5.4	6.7	4.9	5.7	7.3	7.1	6.2	4.0	6.1	5.0	5.0	4.3	5.3	3.3	2.4	3.5	5.1	5.8	5.6	5.2	4.6	5.1	4.1	5.1	5.0
BAR CF 8 FUS1	4.8	6.1	5.2	4.3	5.3	6.0	6.6	4.8	5.1	6.5	7.1	6.4	4.1	5.3	4.8	4.8	3.8	5.5	3.4	3.0	3.4	5.1	5.5	5.3	4.0	4.4	4.9	4.8	5.0	5.0
SR 5210	3.7	5.5	4.7	5.0	5.8	7.0	7.0	4.9	5.7	5.7	5.9	6.0	3.7	5.0	5.1	4.6	4.7	4.9	3.2	2.4	5.0	5.3	5.0	4.3	4.1	5.0	4.6	4.0	5.2	4.9
Shademaster II	3.9	6.1	4.8	4.8	4.7	6.1	6.0	4.9	5.4	6.1	6.5	6.2	4.3	5.4	5.1	3.9	5.2	2.9	2.9	2.9	5.3	3.8	5.4	4.5	5.6	4.5	4.5	4.1	5.3	4.9
DGSC 94	4.3	6.2	4.9	4.9	4.8	6.0	6.6	5.2	5.3	6.7	6.6	6.1	4.0	5.4	4.0	4.8	4.3	5.0	3.5	3.2	2.8	5.1	3.5	5.1	4.5	5.0	4.3	4.4	4.9	4.9
ASC 082	3.6	5.8	4.7	4.3	5.0	6.1	5.9	5.0	4.8	5.9	6.2	6.1	3.8	5.1	5.0	4.8	4.3	5.5	3.0	2.4	4.5	4.8	5.2	3.8	4.2	5.1	4.3	4.2	4.8	4.8
Shademark	4.5	5.8	4.8	4.7	5.1	6.3	6.3	4.9	5.4	6.1	6.3	6.3	3.6	5.1	4.2	3.8	4.1	4.8	3.4	2.8	2.1	4.9	5.1	5.2	4.0	4.4	4.5	4.1	4.6	4.7
Rose	4.7	5.9	5.0	4.5	4.5	4.5	5.7	5.7	4.6	5.3	5.6	6.2	6.1	3.0	5.3	3.9	4.4	3.7	4.8	3.1	2.7	2.7	4.9	5.4	4.3	4.2	4.4	4.9	3.6	4.6
ASC 172	3.1	5.1	5.1	3.8	3.9	4.6	5.8	4.4	4.7	6.1	6.5	5.6	3.2	5.0	3.9	4.1	3.6	4.5	3.2	2.0	3.9	4.3	3.9	4.1	4.0	4.3	4.4	3.5	4.6	4.3
Boreal	3.2	5.3	4.6	4.3	4.7	5.0	5.2	4.5	4.5	5.6	5.6	5.7	3.6	5.3	4.2	2.3	3.3	4.8	3.2	1.4	3.0	4.9	3.2	4.0	4.0	3.8	4.2	4.0	4.8	4.2
Common Creeper	3.3	4.9	4.3	4.3	4.2	5.2	5.1	4.0	4.6	5.9	5.4	5.5	3.3	5.0	3.4	3.3	3.0	4.9	3.5	1.5	2.7	4.8	2.5	4.8	3.6	3.4	4.1	4.0	5.0	4.1
LSD (0.05)	1.0	0.4	1.2	0.7	0.9	1.4	0.7	0.7	0.7	1.0	1.4	0.4	0.8	0.7	1.0	0.8	0.8	2.0	0.9	1.0	1.1	0.4	1.0	0.7	0.8	0.9	0.5	0.8	0.7	0.2

Table 5. 1999 mean turfgrass quality ratings of strong creeping red fescue cultivars grown at twenty-nine locations in the US and Canada (9 = ideal)

Entry	CA	CO	IA	IL	IN	KS	KY	MA	MD	ME1	ME2	MI	MO	MT	NC	NJ1	NJ2	NS	NY	OK	PA	QE	RI	SD	UT	VA	WA1	WA3	WI	Mean
Jasper II	5.9	5.5	6.4	5.6	5.4	7.9	7.7	5.6	7.4	7.2	7.2	6.4	6.4	5.1	5.7	6.6	5.7	6.8	6.2	4.3	6.6	4.6	6.3	4.6	5.6	5.3	5.0	5.6	7.2	6.1
Florentine	5.6	4.7	6.3	4.9	5.2	7.8	7.5	4.5	7.0	7.4	7.4	5.8	6.0	5.6	5.3	5.4	5.3	6.5	5.5	3.6	5.7	4.5	5.8	4.5	5.2	4.4	5.0	5.5	6.3	5.7
Shademaster II	5.3	4.9	6.0	5.1	4.6	7.6	7.0	4.5	6.8	7.1	7.1	5.9	7.0	5.9	5.6	5.3	4.6	6.4	5.3	4.6	5.2	4.8	6.0	4.6	5.0	5.0	4.6	5.1	6.9	5.6
Inverness	5.3	4.6	6.1	5.0	4.7	7.7	7.3	4.3	6.7	7.2	7.3	5.8	5.8	5.7	5.0	5.4	4.9	6.3	5.8	4.0	5.1	4.6	4.2	4.1	4.5	4.7	4.5	5.4	6.0	5.4
Boreal	3.7	4.4	5.6	5.0	4.4	5.4	5.2	3.9	5.1	6.2	5.8	5.5	5.2	6.1	4.8	2.2	2.9	6.2	5.3	3.0	3.8	4.4	3.1	3.5	4.6	3.7	2.6	4.8	6.3	4.6
Common Creeper	3.8	4.4	5.3	5.2	3.8	5.7	5.1	3.7	5.3	5.7	5.8	5.6	4.4	5.7	4.5	2.8	2.8	6.0	5.0	3.0	4.1	4.5	2.4	3.9	4.3	3.9	3.1	4.7	6.6	4.5
LSD (0.05)	0.7	0.2	1.0	0.5	0.8	0.9	0.5	0.9	0.4	0.7	0.6	0.7	1.2	0.9	0.6	0.8	0.5	1.0	0.7	0.7	0.6	0.3	1.0	0.7	1.1	0.6	1.0	0.6	0.7	0.2

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Table 6. 2000 mean genetic color ratings of strong creeping red fescue cultivars grown at twenty-eight locations in the US and Canada (9 = dark green)

Entry	AR	CA	IA	IL	IN	KS	KY	MA	MD	MI1	M12	MT	NC1	NC2	NE	NJ	NS	NY	OK	QE	RI	SD	UT	VA	WA1	WA3	WI1	WI2	Mean
ASC 172	8.7	6.0	4.3	3.3	6.7	7.7	9.0	6.7	6.7	7.7	7.0	8.0	7.3	8.7	5.0	8.0	7.7	7.0	7.3	7.0	8.3	7.7	8.0	7.7	7.0	8.0	7.0	7.0	7.2
Inverness	8.0	6.7	5.3	4.7	6.7	8.7	9.0	6.3	7.0	7.0	7.0	8.3	7.7	7.7	6.0	6.3	6.0	6.7	7.7	7.0	7.7	7.3	5.3	6.7	7.7	7.3	7.0	7.0	7.0
Florentine	7.0	6.7	5.3	4.7	4.7	7.3	9.0	6.7	7.0	7.0	7.3	8.3	8.0	8.0	7.0	6.7	7.0	7.0	7.3	6.7	6.7	7.0	6.0	6.7	7.7	7.0	7.0	7.0	6.9
Shademaster II	7.3	6.0	5.7	5.0	5.7	7.3	7.7	6.0	6.3	7.0	7.0	7.3	7.0	6.7	7.3	3.7	6.0	6.0	7.0	6.0	6.0	5.7	6.3	6.7	7.3	6.7	6.7	6.7	6.4
Boreal	6.0	6.3	5.7	4.0	4.7	7.0	8.7	7.3	6.3	6.3	7.0	6.3	6.0	7.3	7.7	5.0	4.0	6.3	5.3	7.0	5.7	6.0	5.0	6.0	6.3	6.0	6.7	6.3	6.1
Common Creeper	6.0	3.7	5.7	4.0	5.0	6.7	8.0	6.7	6.3	7.0	7.0	5.3	6.3	8.0	5.3	2.7	6.3	5.7	7.0	5.3	6.0	5.3	4.3	6.0	5.7	6.0	6.7	6.7	5.9
LSD (0.05)	1.2	1.6	1.2	1.1	1.2	1.0	0.7	2.1	0.7	0.2	0.5	1.3	1.6	1.5	1.4	1.6	1.7	1.0	0.5	0.7	1.3	0.9	1.4	1.1	1.0	0.6	0.5	0.7	0.2

Table 7. 1999 genetic color ratings of strong creeping red fescue cultivars grown at twenty-four locations in the US and Canada (9 = dark green)

Entry	CA	CO	IA	IL	KY	ME1	ME2	MD	MT	NC1	NC2	NE	NS	NY	OK	PA	QE	RI	SD	UT	VA	WA3	WI1	WI2	Mean
ASC 172	6.3	8.0	7.0	4.3	9.0	8.7	8.3	6.0	7.0	8.0	9.0	7.0	7.7	7.0	7.3	9.0	6.3	7.7	6.3	4.7	5.3	7.7	8.0	8.0	7.2
Inverness	6.0	7.0	7.0	5.7	8.0	7.7	7.7	5.7	7.0	7.3	9.0	7.3	7.3	6.7	7.0	8.0	6.3	7.7	6.3	5.7	5.0	6.3	8.0	8.0	7.0
Florentine	6.3	8.0	7.0	5.7	7.3	7.3	7.3	5.7	7.0	7.0	8.3	6.3	7.3	7.0	7.3	8.0	6.0	7.3	6.0	6.0	5.7	6.0	7.7	7.3	6.9
Shademaster II	5.3	7.3	6.3	5.3	6.0	7.7	8.0	6.7	6.3	6.7	7.0	6.0	6.3	6.0	6.7	7.0	6.0	6.3	6.0	5.3	6.0	6.0	7.3	7.0	6.4
Boreal	4.3	6.3	5.7	5.3	7.0	5.3	6.3	5.3	6.0	6.3	7.3	5.7	6.3	5.3	6.0	5.7	6.0	7.0	5.0	3.3	5.3	6.0	7.0	7.0	5.9
Salsa	4.3	8.0	6.3	5.7	4.0	5.3	6.3	4.7	5.3	5.7	5.7	6.3	5.0	5.7	5.7	4.7	5.7	6.0	4.3	3.7	5.3	5.3	7.0	6.3	5.5
LSD (0.05)	1.0	0.6	1.3	1.2	0.8	1.2	1.1	1.6	0.9	0.9	1.2	1.3	1.2	0.9	1.1	0.8	0.4	1.0	1.3	1.6	1.5	0.8	0.7	0.8	0.2

Table 8. 2000 mean winter color ratings of strong creeping red fescue cultivars grown at 2 locations in the US (9 = complete color retention)

Entry	OK1	VA1	Mean
Common Creeping Red	6.0	5.0	5.5
Florentine	5.7	5.3	5.5
Shademaster II	5.0	6.0	5.5
Boreal	6.0	4.7	5.3
Inverness	**5.0**	**4.3**	**4.7**
SRX 52961	5.0	4.0	4.5
LSD (0.05)	**0.7**	**1.1**	**0.7**

Table 9. 1999 mean winter color ratings of strong creeping red fescue cultivars grown at 4 locations in the US (9 = complete color retention)

Entry	KY1	NJ1	OK1	VA1	Mean
Inverness	**7.0**	**7.0**	**4.3**	**6.7**	**6.3**
Florentine	7.7	5.3	4.3	6.3	5.9
Shademaster II	6.7	6.0	4.3	5.7	5.7
Boreal	5.3	5.0	3.7	4.7	4.7
LSD (0.05)	**1.4**	**1.3**	**0.6**	**1.2**	**0.6**

Table 10. 1999 mean *Microdochium* patch ratings of strong creeping red fescue cultivars grown at 2 locations in the US (9 = no disease)

Entry	ME1	ME2	Mean
Salsa	8.0	8.3	8.2
Shademaster II	7.7	8.3	8.0
Florentine	7.7	7.0	7.3
Boreal	7.7	6.3	7.0
Inverness	**7.3**	**6.3**	**6.8**
Jasper II	7.3	6.3	6.8
LSD (0.05)	**2.2**	**1.8**	**1.4**

Table 11. 2000 mean leaf spot ratings of strong creeping red fescue cultivars grown at 1 location in the US (9 = no disease)

Entry	NJ2
Jasper II	5.7
Florentine	4.7
Inverness	**4.3**
Shademaster II	3.0
Boreal	2.0
LSD (0.05)	**1.3**

Table 12. 1999 mean leaf spot ratings of strong creeping red fescue cultivars grown at 4 locations in the US (9 = no disease)

Entry	ME1	ME2	NJ1	NJ2	Mean
Jasper II	5.7	8.0	4.0	5.7	5.8
Inverness	**5.3**	**7.3**	**2.7**	**5.7**	**5.3**
Florentine	5.3	8.0	2.0	4.3	4.9
Shademaster II	5.7	6.0	2.7	4.3	4.7
Boreal	3.3	4.3	2.7	2.0	3.1
Shademark	3.0	4.7	2.0	2.3	3.0
LSD (0.05)	**1.9**	**4.0**	**0.9**	**1.4**	**1.2**

Table 13. 2000 mean dollar spot ratings of strong creeping red fescue cultivars grown at 4 locations in the US (9 = no disease)

Entry	IN1	NJ2	PA1	WI2	Mean
Jasper II	7.7	8.0	7.7	5.0	7.1
Inverness	**6.7**	**4.0**	**7.0**	**4.7**	**5.6**
Boreal	6.3	3.0	5.7	4.0	4.8
Florentine	6.0	3.0	4.7	4.0	4.4
Shademaster II	7.3	2.7	3.3	4.3	4.4
Pathfinder	5.3	1.0	3.0	3.3	3.2
LSD (0.05)	**2.5**	**1.7**	**2.3**	**0.9**	**1.0**

Table 14. 1999 mean dollar spot ratings of strong creeping red fescue cultivars grown at 1 location in the US (9 = no disease)

Entry	PA1
Inverness	**6.3**
Florentine	6.0
Shademaster II	5.7
Boreal	4.3
LSD (0.05)	**1.7**

Table 15. 1999 mean brown patch ratings of strong creeping red fescue cultivars grown at 2 locations in the US (9 = no disease)

Entry	ME1	ME2	Mean
Florentine	7.7	6.7	7.2
Shademaster II	7.3	5.3	6.3
Inverness	**5.7**	**6.0**	**5.8**
Boreal	3.7	3.7	3.7
Common Creeping Red	3.3	2.7	3.0
LSD (0.05)	**2.3**	**2.6**	**1.7**

Table 16. 2000 mean summer patch ratings of strong creeping red fescue cultivars grown at 2 locations in the US (9 = no disease)

Entry	NJ1	WI2	Mean
Jasper II	7.7	8.3	8.0
Shademaster II	6.7	6.7	6.7
Florentine	5.7	6.3	6.0
Inverness	**4.3**	**7.0**	**5.7**
Boreal	2.0	6.3	4.2
LSD (0.05)	**2.2**	**1.8**	**1.4**

Table 17. 1999 mean summer patch ratings of strong creeping red fescue cultivars grown at 1 location in the US (9 = no disease)

Entry	NC1
Jasper II	8.0
Florentine	7.7
Inverness	**7.3**
Shademaster II	7.3
Boreal	6.0
Common Creeping Red	5.0
LSD (0.05)	**1.3**

Table 18. 2000 mean red thread ratings of strong creeping red fescue cultivars grown at 4 locations in the US and Canada (9 = no disease)

Entry	ME2	NJ2	NS1	WA3	Mean
Boreal	7.3	8.0	5.7	6.0	6.8
Inverness	**8.7**	**7.3**	**5.3**	**5.3**	**6.7**
Florentine	9.0	6.3	4.3	5.7	6.3
Shademaster II	8.7	5.3	5.3	6.0	6.3
LSD (0.05)	**2.5**	**3.4**	**2.2**	**1.6**	**1.3**

Table 19. 2000 mean pink snow mold ratings of strong creeping red fescue cultivars grown at 1 location in the US (9 = no disease)

Entry	ME2
Pathfinder	8.7
Florentine	8.0
Inverness	**8.0**
Shademaster II	6.7
Boreal	6.0
Shademark	5.3
LSD (0.05)	**1.7**

Table 20. 2000 mean red thread/pink patch ratings of strong creeping red fescue cultivars grown at 1 location in the US (9 = no disease)

Entry	PA1
Shademaster II	5.7
Inverness	**5.3**
Florentine	5.0
Boreal	4.7
LSD (0.05)	**1.3**

Table 21. Mean turf quality and leaf spot ratings for strong creeping red fescue entries in a fine fescue turf trial seeded fall of 1998 near Hubbard, OR. (9 = ideal; no disease)

	Turf Quality			Leaf Spot
Entry	1999	2000	Mean	1999
Florentine	5.4	5.3	5.3	6.3
Shademaster II	5.2	5.0	5.1	6.3
Inverness	**6.3**	**5.1**	**5.7**	**5.3**
Boreal	4.6	4.8	4.7	4.7
LSD (0.05)	**0.7**	**0.8**	**0.6**	**1.3**

Table 22. ,2000 mean seed yield for entries in a fine fescue seed yield trial seeded fall of 1998 near Hubbard, OR.

Entry	1999 (lb/A)	2000 (lb/A)	Mean (lb/A)
Inverness	**1365.2**	**1378.4**	**1397.5**
Shademaster II	1525.3	1000.7	1263
Flyer II	756.3	862.4	809.3

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U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE

EXHIBIT E
STATEMENT OF THE BASIS OF OWNERSHIP

Application is required in order to determine if a plant variety protection certificate is to be issued *(7 U.S.C. 2421)*. The information is held confidential until the certificate is issued *(7 U.S.C. 2426)*.

1. NAME OF APPLICANT(S)	2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER	3. VARIETY NAME
Pure Seed Testing, Inc.	PST-47TCR, PST-47TCL	Inverness
4. ADDRESS *(Street and No., or R.F.D. No., City, State, and ZIP, and Country)*	**5. TELEPHONE** *(Include area code)*	**6. FAX** *(Include area code)*
P.O. Box 449 Hubbard, OR 97032	(503) 651-2130	(503) 263-0703
	7. PVPO NUMBER	200400123

8. Does the applicant own all rights to the variety? Mark an "X" in the appropriate block. **If no, please explain.** ☑ YES ☐ NO

9. Is the applicant (individual or company) a U.S. national or a U.S. based company? **If no, give name of country.** ☑ YES ☐ NO

10. Is the applicant the original owner? ☑ YES ☐ NO **If no, please answer one of the following:**

a. If the original rights to variety were owned by individual(s), is (are) the original owner(s) a U.S. National(s)?
☑ YES ☐ NO **If no, give name of country**

b. If the original rights to variety were owned by a company(ies), is (are) the original owner(s) a U.S. based company?
☑ YES ☐ NO **If no, give name of country**

11. Additional explanation on ownership *(Trace ownership from original breeder to current owner. Use the reverse for extra space if needed)*:

Pure Seed Testing has granted Turf-Seed, Inc. an exclusive license to grow, produce and market Inverness strong creeping red fescue throught the world.

PLEASE NOTE:

Plant variety protection can only be afforded to the owners (not licensees) who meet the following criteria:

1. If the rights to the variety are owned by the original breeder, that person must be a U.S. national, national of a UPOV member country, or national of a country which affords similar protection to nationals of the U.S. for the same genus and species.
2. If the rights to the variety are owned by the company which employed the original breeder(s), the company must be U.S. based, owned by nationals of a UPOV member country, or owned by nationals of a country which affords similar protection to nationals of the U.S. for the same genus and species.
3. If the applicant is an owner who is not the original owner, both the original owner and the applicant must meet one of the above criteria.

The original breeder/owner may be the individual or company who directed the final breeding. See Section 41(a)(2) of the Plant Variety Protection Act for definitions.